PTO/SB/80 (01-06)
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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

|                                                                                                                                           | revoke all<br>CFR 3.73                                    | previous powers of a                                     | attorney given     | in the applic       | cations id    | entified i            | n the at              | tached      | Schedule A      |            |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|--------------------|---------------------|---------------|-----------------------|-----------------------|-------------|-----------------|------------|
| I hereby                                                                                                                                  |                                                           |                                                          |                    |                     |               |                       |                       |             |                 |            |
|                                                                                                                                           | Practitioners associated with the Customer Number:     OR |                                                          |                    | r: 7                | 77069         |                       |                       |             |                 |            |
| Pra                                                                                                                                       | ctitioner(s) n                                            | amed below (if more th                                   | an ten patent pra  | _<br>ctitioners are | to be nam     | ed, then a            | <br>i custom          | er numi     | ber must be us  | ed):       |
|                                                                                                                                           | Name Registration                                         |                                                          | Name               |                     |               | Registratio<br>Number | <u> </u>              |             |                 |            |
|                                                                                                                                           |                                                           |                                                          |                    |                     |               |                       |                       |             |                 |            |
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|                                                                                                                                           | <u> </u>                                                  |                                                          |                    | <u> </u>            |               | <del> </del>          |                       |             |                 |            |
|                                                                                                                                           |                                                           | to represent the undersit<br>a patent applications liste |                    |                     | atent and Tr  | rademark C            | Office (US            | SPTO) in    | connection with |            |
| Please ch                                                                                                                                 | nange the co                                              | orrespondence address                                    | s for the applicat | ion identified      | in the atta   | ched state            | ement u               | nder 37     | CFR 3.73(b) b   | <b>D</b> : |
| T                                                                                                                                         | he address                                                | associated with Custor                                   | mer Number:        | 77(                 | 069           |                       |                       |             |                 |            |
| OR                                                                                                                                        |                                                           | Kathleen M. Willi                                        | ams                |                     |               |                       |                       |             |                 |            |
| X Firm                                                                                                                                    | or<br>idual Name                                          | Edwards Angell F                                         |                    | ge, LLP             |               |                       |                       |             |                 |            |
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| City                                                                                                                                      | Boston                                                    |                                                          | State              | MA                  |               | Zip                   | 02199                 | <del></del> |                 | 444174     |
| Country                                                                                                                                   | USA                                                       |                                                          | Telephone          | 617-23              | 9-0100        | Email                 | kwilliams@eapdlaw.com |             | ū               |            |
| •                                                                                                                                         | Name and                                                  |                                                          |                    |                     |               |                       |                       |             |                 |            |
|                                                                                                                                           | orporation<br>harleston                                   | Road, M10-4A                                             |                    |                     |               |                       |                       |             |                 |            |
|                                                                                                                                           |                                                           | CA 94039                                                 |                    |                     |               |                       |                       |             |                 |            |
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|                                                                                                                                           |                                                           | gether with a statem                                     |                    |                     |               |                       |                       |             |                 |            |
|                                                                                                                                           |                                                           | on in which this form<br>inted in this form if t         |                    |                     |               |                       |                       |             |                 | 1          |
| and must i                                                                                                                                | dentify the                                               | application in which                                     |                    | <del></del>         |               |                       |                       |             |                 |            |
| SIGNATURE of Assignee of Record The individual whose signature and title is supplied below is authorized to act on behalf of the assignee |                                                           |                                                          |                    |                     |               |                       |                       |             |                 |            |
| Signatur                                                                                                                                  | e C                                                       | الم المحاصة                                              | sanci              |                     | Date /        | dhua                  | ry à                  | 2/,         | <i>ସ</i> ୦୦୧    |            |
| Name                                                                                                                                      |                                                           | a Nwaneri                                                |                    |                     | Telepho       | ne                    | 1 (                   | 650) 5      | 64-2024         |            |
| Title                                                                                                                                     | Assoc                                                     | iate Patent Couns                                        | sel & VP, Pate     | ent Law             | $\overline{}$ |                       |                       |             |                 |            |

| Application<br>Number | Patent Number | Application Title                                                                               | Status    |
|-----------------------|---------------|-------------------------------------------------------------------------------------------------|-----------|
| 08/877,153            | 6230051       | DEVICE FOR ENHANCING TRANSDERMAL AGENT<br>DELIVERY OR SAMPLING                                  | ISSUED    |
| 08/877,155            | 7184826       | DEVICE AND METHOD FOR ENHANCING<br>TRANSDERMAL FLUX OF AGENTS BEING<br>DELIVERED OR SAMPLED     | ISSUED    |
| 08/988,292            | 6918901       | DEVICE AND METHOD FOR ENHANCING<br>TRANSDERMAL AGENT FLUX                                       | ISSUED    |
| 09/208,312            | 6050988       | DEVICE FOR ENHANCING TRANSDERMAL AGENT FLUX                                                     | ISSUED    |
| 09/208,812            | 6083196       | DEVICE FOR ENHANCING TRANSDERMAL AGENT FLUX                                                     | IŚSUED    |
| 09/208,813            | 6322808       | DEVICE FOR ENHANCING TRANSDERMAL AGENT FLUX                                                     | ISSUED    |
| 09/684,163            | 6953589       | DEVICE FOR ENHANCING TRANSDERMAL AGENT FLUX                                                     | ISSUED    |
| 09/733,305            |               | SKIN TREATMENT METHOD AND APPARATUS FOR SUSTAINED TRANSDERMAL DELIVERY                          | Abandoned |
| 09/733,506            | 7087035       | DEVICE AND METHOD FOR ENHANCING SKIN<br>PIERCING BY MICROPROTRUSIONS                            | ISSUED    |
| 09/950,436            |               | METHODS FOR INHIBITING DECREASE IN<br>TRANSDERMAL DRUG FLUX BY INHIBITION OF<br>PATHWAY CLOSURE | Published |
| 09/976,762            | 6855131       | MICROPROTRUSION MEMBER RETAINER FOR IMPACT APPLICATOR                                           | ISSUED    |
| 09/976,763            |               | MICROBLADE ARRAY IMPACT APPLICATOR                                                              | Abandoned |
| 09/976,798            | 7131960       | APPARATUS AND METHOD FOR PIERCING SKIN WITH MICROPROTRUSIONS                                    | Allowed   |

| Application<br>Number | Påtent Number | Application Title                                                                      | Status    |
|-----------------------|---------------|----------------------------------------------------------------------------------------|-----------|
| 10/045,842            |               | TRANSDERMAL DRUG DELIVERY DEVICES HAVING<br>COATED MICROPROTRUSIONS                    | Published |
| 10/099,604            | 6855372       | METHOD AND APPARATUS FOR COATING SKIN PIERCING MICROPROJECTIONS                        | ISSUED    |
| 10/127,108            |               | MICROPROJECTION ARRAY HAVING A BENEFICIAL AGENT CONTAINING COATING                     | Published |
| 10/127,171            |               | MICROPROJECTION ARRAY IMMUNIZATION PATCH AND METHOD                                    | Abandoned |
| 10/305,641            |               | METHODS AND APPARATUSES FOR FORMING MICROPROJECTION ARRAYS                             | Published |
| 10/327,330            |               | SKIN-PIERCING MICROPROJECTIONS HAVING PIERCING DEPTH CONTROL                           | Published |
| 10/608,304            |               | TRANSDERMAL DRUG DELIVERY DEVICES HAVING COATED MICROPROTRUSIONS                       | Pubiished |
| 10/637,909            |               | TRANSDERMAL VACCINE DELIVERY DEVICE HAVING COATED MICROPROTRUSIONS                     | Published |
| 10/674,626            |               | DRUG DELIVERY AND METHOD HAVING COATED MICROPROJECTIONS INCORPORATING VASOCONSTRICTORS | FINAL REJ |
| 10/745,995            |               | ACTIVE AGENT DELIVERY DEVICE HAVING COMPOSITE MEMBERS                                  | Published |
| 10/794,637            |               | SKIN TREATMENT METHOD AND APPARATUS FOR SUSTAINED TRANSDERMAL DRUG DELIVERY            | Published |
| 10/880,701            |               | METHOD FOR COATING SKIN PIERCING<br>MICROPROJECTIONS                                   | Published |
| 10/880,702            |               | FORMUALTIONS FOR COATED MICROPROJECTIONS CONTAINING NON-VOLATILE COUNTERIONS           | Published |

| Application) P      | atent Number | Application Title                                                                                     | Status    |
|---------------------|--------------|-------------------------------------------------------------------------------------------------------|-----------|
| 10/881,440          |              | DEVICE AND METHOD FOR ENHANCING<br>TRANSDERMAL AGENT FLUX                                             | Published |
| 10/884,603          |              | MICROPROJECTION ARRAY IMMUNIZATION PATCH AND METHOD                                                   | Published |
| 10/910,889          |              | METHOD AND DEVICE FOR ENHANCING<br>TRANSDERMAL AGENT FLUX                                             | FINAL REJ |
| 10/910,915          |              | METHOD AND DEVICE FOR ENHANCING<br>TRANSDERMAL AGENT FLUX                                             | FINAL REJ |
| 10/911,299          |              | METHOD AND DEVICE FOR ENHANCING<br>TRANSDERMAL AGENT FLUX                                             | FINAL REJ |
| 10/925,518          |              | DEVICE AND METHOD FOR INTRADERMAL CELL IMPLANTATION                                                   | Published |
| 10/970,890          |              | COMPOSITION AND APPARATUS FOR<br>TRANSDERMAL DELIVERY                                                 | Published |
| 10/970,901          |              | PRETREATMENT METHOD AND SYSTEM FOR ENHANCING TRANSDERMAL DRUG DELIVERY                                | Published |
| 10/971,224          |              | METHOD AND APPARATUS FOR REDUCING THE INCIDENCE OF TOBACCO USE                                        | Allowed   |
| 10/971,430          |              | APPARATUS AND METHOD FOR ENHANCING TRANSDERMAL DRUG DELIVERY                                          | Published |
| 10/971,871          | 7097631      | SELF-ACTUATING APPLICATOR FOR<br>MICROPROJECTION ARRAY                                                | ISSUED    |
| 10/972,230          |              | COMPOSITIONS OF STABILIZED DNA FOR<br>COATING MICROPROJECTIONS                                        | Published |
| 10/9 <b>7</b> 2,231 | •            | DELIVERY OF POLYMER CONJUGATES OF<br>THERAPEUTIC PEPTIDES AND PROTEINS VIA<br>COATED MICROPROJECTIONS | Published |

| Application<br>Number | Patent Number | Application Title                                                                        | Status    |
|-----------------------|---------------|------------------------------------------------------------------------------------------|-----------|
| 10/978,807            |               | MICROPROTRUSION MEMBER RETAINER FOR IMPACT APPLICATOR                                    | Published |
| 10/984,499            |               | DEVICE AND METHOD FOR ENHANCING SKIN PIERCING BY MICROPROTRUSIONS                        | Published |
| 10/984,510            |               | METHOD AND APPARATUS FOR COATING SKIN PIERCING MICROPROJECTIONS                          | Published |
| 11/034,891            |               | FORMUALTIONS FOR COATED MICROPROJECTIONS CONTAINING NON-VOLATILE COUNTERIONS             | Published |
| 11/084,631            |               | APPARATUS AND METHOD FOR TRANSDERMAL<br>DELIVERY OF INFLUENZA VACCINE                    | Published |
| 11/084,634            |               | APPARATUS AND METHOD FOR TRANSDERMAL<br>DELIVERY OF PARATHYROID HORMONE AGENTS           | Published |
| 11/084,635            |               | APPARATUS AND METHOD FOR TRANSDERMAL DELIVERY OF MULTIPLE VACCINES                       | Published |
| 11/084,63 <b>6</b>    |               | APPARATUS AND METHOD FOR TRANSDERMAL DELIVERY OF FENTANYL-BASED AGENTS                   | Published |
| 11/092,202            |               | APPARATUS AND METHOD FOR PIERCING SKIN WITH MICROPROTRUSIONS                             | Published |
| 11/092,800            |               | APPARATUS AND METHOD FOR PIERCING SKIN WITH MICROPROTRUSIONS                             | Published |
| 11/112,311            |               | METHOD AND FORMULATION FOR TRANSDERMAL<br>DELIVERY OF IMMUNOCOLOGICALLY ACTIVE<br>AGENTS | Pubilshed |
| 11/201,617            |               | MICROPROJECTION APPARATUS AND SYSTEM WITH LOW INFECTION POTENTIAL                        | Published |
| 11/222,297            |               | MICORPROJECTION ARRAY WITH IMPROVED SKIN ADHESION AND COMPLIANCE                         | Pending   |

| Application<br>Number | Patent Number | Application Title                                                                 | Status    |
|-----------------------|---------------|-----------------------------------------------------------------------------------|-----------|
| 11/237,200            |               | STABILIZATION OF ALUM-ADJUVANTED IMMUNOLOGICALLY ACITVE AGENTS                    | Published |
| 11/251,488            |               | MICROBLADE ARRAY IMPACT APPLICATOR                                                | Published |
| 11/259,010            |               | APPARATUS AND METHOD FOR TRANSDERMAL<br>DELIVERY OF DESMOPRESSIN                  | Published |
| 11/267,563            |               | MICROPROJECTION ARRAY IMMUNIZATION PATCH AND METHOD                               | FINAL REJ |
| 11/336,134            |               | THERAPEUTIC PEPTIDE FORMULATIONS WITH IMPROVED STABILITY                          | Published |
| 11/341,832            |               | COATED MICROPROJECTIONS HAVING REDUCED VARIABILITY AND METHOD FOR PRODUCING SAME  | Published |
| 11/347,779            |               | TRANSDERMAL DRUG DELIVERY DEVICES HAVING COATED MICROPROTRUSIONS                  | Published |
| 11/355,729            |               | MICROPROJECTION ARRAYS WITH IMPROVED BIOCOMPATIBILITY                             | Published |
| 11/391,609            |               | MICROPROJECTIONS WITH CAPILLARY CONTROL<br>FEATURES AND METHOD                    | Pending   |
| 11/446,487            |               | METHOD FOR TERMINAL STERILIZATION OF<br>TRANSDERMAL DELIVERY DEVICES              | Pending   |
| 11/446,530            |               | METHOD FOR TERMINAL STERILIZATION OF<br>TRANSDERMAL DELIVERY DEVICES              | Pending   |
| 11/472,165            |               | METHOD AND DEVICE FOR COATING A<br>CONTINUOUS STRIP OF MICROPROJECTION<br>MEMBERS | Published |
| 11/477,045            |               | SELF-ACTUATING APPLICATOR FOR<br>MICROPROJECTION ARRAY                            | Published |

| Application Pa | atent Number Application Title                                                                           | Status        |
|----------------|----------------------------------------------------------------------------------------------------------|---------------|
| 11/518,970     | COATABLE TRANSDERMAL DELIVERY<br>MICROPROJECTION ASSEBLY                                                 | Pending       |
| 11/617,639     | STABLE THERAPEUTIC FORMULATIONS                                                                          | Pending       |
| 11/668,157     | DEVICE WITH ANCHORING ELEMENTS FOR<br>TRANSDERMAL DELIVERY OR SAMPLING OF<br>AGENTS                      | Published     |
| 11/684,544     | MICROPROJECTION ARRAY APPLICATION WIT<br>HIGH BARRIER RETAINER                                           | H Published   |
| 11/686,909     | APPARATUS AND METHOD FOR TRANSDERMADE DELIVERY OF PARATHYROID HORMONE AGENTO PREVENT OR TREAT OSTEOPENIA |               |
| 11/740,205     | MICROPROJECTION ARRAY APPLICATION WIT<br>SCULPTURED MICROPROJECTIONS FOR HIGH<br>DRUG LOADING            |               |
| 11/740,235     | MICROPROJECTION ARRAY APPLICATION WIT<br>GROUPED MICROPROJECTIONS FOR HIGH DR<br>LOADING                 |               |
| 11/740,258     | MICROPROJECTION ARRAY APPLICATION WIT<br>MULTILAYERED MICROPROJECTION MEMBER<br>HIGH DRUG LOADING        |               |
| 11/871,126     | DEVICE FOR ENHANCING TRANSDERMAL AGE<br>FLUX                                                             | NT Pending    |
| 60/368,715     | MICROPROJECTION ARRAY IMMUNIZATION PA<br>AND METHOD                                                      | TCH Abandoned |
| 60/794,960     | MICROPROJECTION ARRAY APPLICATION WIT<br>MULTILAYERED MICROPROJECTION MEMBER<br>HIGH DRUG LOADING        |               |
| 60/817,499     | APPARATUS AND METHOD FOR TRANSDERMA<br>DELIVERY OF INSULIN                                               | .L Abandoned  |
| 60/896,161     | APPARATUS AND METHOD FOR TRANSDERMA<br>DELIVERY OF A TRIPTAN AGONIST                                     | L Pending     |

| Application Patent Number | Application <sup>.</sup> Title                                                         | Status  |
|---------------------------|----------------------------------------------------------------------------------------|---------|
| 60/896,164                | APPARATUS AND METHOD FOR TRANSDERMAL<br>DELIVERY OF A 5-HYDROXXTRYTAMINE<br>ANTAGONIST | Pending |
| 60/896,165                | APPARATUS AND METHOD FOR TRANSDERMAL DELIVERY OF A BENZODIAZEPINE                      | Pending |
| 60/947,035                | APPARATUS AND METHOD FOR TRANSDERMAL DELIVERY OF GONADOTROPINS                         | Pending |
| 60/982,119                | TRANSDERMAL SUSTAINED RELEASE DRUG<br>DELIVERY                                         | Pending |
| 60/982,127                | TRANSDERMAL SUSTAINED RELEASE DRUG<br>DELIVERY                                         | Pending |